

Notes on the Coleoptera of Placer County, Calif.

BY JULIA D. E. WRIGHT AND KARL R. COOLIDGE.

The following species of Coleoptera were taken in the vicinity of Towle, Dutch Flat, and Alta, small mining towns of Bret Harte fame. In 1903 the former writer spent June, July, August, and a part of September at Towle, and April and May of 1907 were spent by the latter at Alta. Placer County is in the foothills of the Sierra Nevadas, the elevation at Alta being about 4000 feet. *Pinus ponderosa* and *P. lambertiana* are characteristic trees of that region, and many species, particularly in the *Coccinellidæ*, were found on them. The blossoms of *Anstostophylos* and *Ceanothus* were also rich in insect visitors. Considerable collecting was done at Lake Alta, a small lake below Alta, and around the banks *Cicindelidæ* were found abundantly. There is a good hotel at Lake Alta, and we would recommend this locality as an excellent entomological one. The following list is far from complete, but, from time to time, we hope to be able to add to it. We are much indebted to Drs. Blaisdel and Van Dyke for many identifications:

CICINDELIDÆ.

- Omus californicus* Esch. Fairly common in June.
 " *rugipennis*. June.
 " *sequoiarum* Cr. Rare; only one specimen in June.
Cicindela purpurea, var. *graminea* Schaupp. A single specimen.
 " *tauta* Casey. One specimen.
 " *oregona* Lec. Abundant. May to September.

CARABIDÆ.

- Pterostichus ater* Dej. Several taken in June.
 " *tarsalis* Lec. Not rare in June.
 " *protractus* Lec. Common.
 " *californicus* Dej. Found abundantly under stones and logs.
 " *vicinus* Mann. Several under stones.
 " *inania*. One in June.
 " *lustrans* Lec. June.
Amara sp.
Platynus subsericeus Lec. Abundant in July.
Anisodactylus consobrinus Lec. June to August.
 " *piceus* Men. One taken under stone.

DYTISCIDÆ.

Agabus lugens Lec. Rare.

SILPHIDÆ.

Necrophorus nigritus Mann. Two in July.

COCCINELLIDÆ.

Hippodamia convergens Guer. Very abundant on pine.

Coccinella polita Casey. A few on pine.

Mysia hornii Cr. Only one taken.

Chilocorus fraternus Lec. Fairly common.

Euxoehomus californicus Casey. Not rare on manzanita.

Hyperaspis sp., near *dissoluta* Cr. Rare.

Scymnus sp. Common on pine.

Cleis minor Casey. Several in June.

DERMESTIDÆ.

Anthrenus occidentis Casey. Abundant on the blossoms of manzanita.

TROGOSITIDÆ.

Trogosita virescens Fab. September, in decayed pine.

BYRRHIDÆ.

Amphicyrta dentipes Er. June.

DASYLLIDÆ.

Cyphon concinnus Lec. Very common on lilac.

ELATERIDÆ.

Adelocera profusa Cand. Very rare; a single specimen on a pine-stump.

Alaus melanops Lec. Also rare. June.

Pityobius murrayi Lec. A few examples taken on wing near ditch.

Corymbites cruciatus, var. *edwardsia* Horn. May, June. Very variable.

“ *tigrinus* Fall. A single specimen on yellow pine in May.

Melanactes densus Lec. Occasional in June.

Aplastus optatus Lec. June.

BUPRESTIDÆ.

Chatcophora angulicollis Lec. Common in June.

Dicerca hornii Cr. Two in June.

Trachykele opulenta Fall. A specimen of this rare species was taken in August on cedar.

Buprestis gibbsii Lec. June, July, August.

“ *lauta* Lec. Fairly common. June to September.

“ *fasciata*? Two in September.

Melanophima drummondi Kirby. Rare. August and September.

Anthaxia æneogaster Lap. Not rare.

Chrysobothris nixa. Common in September.

“ *californica*. One sp. in September. Rare.

LAMPYRIDÆ.

Ellychnia californica Mots. Common in May and June, on oak. Very variable.

Podabrus comes Lec. June.

" *sp.*

MALACHIDÆ.

Listrus sp., near *pardalis* Casey.

CLERIDÆ.

Trichodes ornatus Say. Common in July on ceanothus.

LUCANIDÆ.

Platycerus californica. A single specimen in June.

SCARABÆIDÆ.

Canthon simplex Lec. Very common in May and June.

Aphodius pardalis Lec.

Hoplia dispar Lec. On ceanothus.

Dichelonycha crotchii Horn. Rare.

" *vicini*. June.

" *lateralis* Fall var. Common.

Cremastochilus pilosicollis Horn. One specimen in road.

CERAMBYCIDÆ.

Ergates spiculatus Lec. July.

Hylotrupes amethystinus Lec. Not uncommon in August.

" *ligneus* Fab. Common in June and July.

Brothylus gemmulatus Lec.

Calloides lorquini Buq. Rare.

Clytus tanifer Lec. Common in July.

Xylotrechus obliterated Lec. One in July.

Neoctytus conjunctus Lec.

Ulochates leoninus Lec. Two specimens on wing in August.

Toxotus vestitus Hald. Common in July. Very variable in size and color.

Pachyta spurca Lec. June and July.

Leptura obliterated Hald. Common everywhere in July.

" *tribalteata* Lec.

" *grossa* Lec. June. Rare.

" *laetifica* Lec. Fairly common in June.

" *chrysocoma* Kirby.

" *crassipes* Lec. June and July.

" *valida* Lec. Rare. One in July.

" *dolorosa* Lec. Also rare.

Atima dorsalis Lec. Several taken on wing.

Monohammus titillator Fab. Fairly common.

" *scutellatus* Say.

CHRYSOMELIDÆ.

- Glyptoscelis illustris* Cr.
Haltica bimarginata Say? On manzanita.
Timarcha intricata Hald. Rare.

TENEBRIONIDÆ.

- Nyctoporis galeata* Lec. Fairly common in June.
Coniontis robusta Horn. Not rare.
 " *sanfordii*. One in June.
 " *montanus*.
Eleodes dentipes Esch. Common in August.
 " *parvicollis* Esch. Quite common.
 " *cordata* Esch. Common in June.
 " *scabricula* Lec. Common in June.
Iphthimus sublaevis Bland. Plentiful.
Centronopus parallelus Lec.
Cibdelis blaschkii Mann. June.
Helops opacus Lec.
 " *punctatus* Gemm. One specimen under bark.

CISTELIDÆ.

- Stenochidus cyanescens* Lec. June. One specimen.
Cistela opaca Lec. Rare.

OEDEMERIDÆ.

- Ditylus quadricollis* Lec. Several on sand.
 " *gracilis* Lec. Common in June.

MELOIDÆ.

- Cantharis incommoda* Horn. May and June.
 " *stygica* Lec. Common.

OTIORHYNCHIDÆ.

- Dyslobus segnis* Lec. Plentiful in June.
Scythropus californicus Horn. Very common on pine.

CURCULIONIDÆ.

- Pissodes costatus* Mann. Rare.
Magdalis lecontei Horn. A few on pine.

I HAVE observed that *Lim. obsoleta* had three broods here the past season, in April, June, and September. The first and second brood of larvae of this quite scarce Lepidopter feed on *Salix fluviatilis* and the autumn larvae on *Populus fremontii*, our cottonwood.

During September I took five or six specimens of *Thecla ines*, a Mexican species, and rarely taken in Arizona or Southern California, so Mr. W. G. Wright has informed me. Two or three I took on alfalfa, and the others on sunflower.—DR. R. E. KUNZE, Phoenix, Arizona.